



**CITY OF LODI
COUNCIL COMMUNICATION**

TM

AGENDA TITLE: Approve Plans and Specifications and Authorize Advertisement for Bids for the Water/Wastewater Replacement Program (Project No. 2)

MEETING DATE: March 17, 2004

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council approve the plans and specifications for the above project and authorize advertising for bids.

BACKGROUND INFORMATION: The Water/Wastewater Replacement Program is systematically replacing and, where needed, upgrading existing water and wastewater infrastructure within the oldest areas of the City. The wastewater pipelines are mostly constructed of terracotta or concrete pipe, and the waterlines are largely constructed of small diameter, cast iron or steel pipe. The majority of these pipes are in need of rehabilitation and/or replacement. Project No. 2 is the second project scheduled in this program and will tie into the improvements installed as part of Project No. 1 completed in the Spring of 2003.

The limits of Project No. 2 (see attached map) were defined using the same ranking system as in Project No. 1. The ranking system is based on a) input provided by maintenance staff most familiar with the water and wastewater system and b) a focus on areas containing substandard, 2-inch diameter water mains. An additional project area non-contiguous to Project No. 2 may be included in response to the PCE/TCE settlement efforts and would be in the vicinity of the Busy Bee property.

As with Project No. 1, most of the wastewater lines within the Project No. 2 limits are located in backyards. Staff is again recommending the predominant use of trenchless methods of rehabilitation to minimize surface disruption. Closed circuit television video performed by City crews was used to assess the most appropriate methods of pipeline rehabilitation ranging from in-situ pipe lining to traditional open cut replacement.

The existing 2-inch water mains, also located in backyards, are to be abandoned and replaced with new 8-inch diameter mains located in the street right of way. These improvements will increase water pressure and fireflow service, as well as reduce maintenance costs by enhancing access to the improvements.

Project No. 2 includes the installation of 7,000 linear feet of 8-inch diameter water main; the rehabilitation of 11,700 linear feet of existing wastewater pipeline, and the abandonment of approximately 12,100 linear feet of existing 2-inch water main.

FUNDING: The money for this project will be coming from the Water and Wastewater Main Replacement Fund. A request for appropriation of funds will be made at contract award.

Project Estimate: \$2.8 million
 Budgeted: 03/04 fiscal year
 Planned Bid Opening Date: May 2004

for
 Richard C. Prima, Jr.
 Public Works Director

Prepared by Charlie Swimley, Senior Civil Engineer
 RCP/CES/pmf
 Attachment

cc: Joel Harris, Purchasing Officer
 Wes Fujitani, Senior Civil Engineer

F. Wally Sandelin, City Engineer
 Sharon Welch, Senior Civil Engineer

Paula Fernandez, Senior Traffic Engineer

APPROVED:
 H. Dixon Flynn, City Manager



LEGEND

— PROJECT BOUNDARY

**CITY OF LODI
WATER AND WASTEWATER
MAIN REPLACEMENT
PROJECT NO. 2**

